Technical Data Sheet

klöckner pentaplast

Product name: ***PVC RIGID PENTAPRINT ANTIREFLEX***

Description: old Nomenclature: Pentaprint® PR M280/90-51/8800-696K2
high impact strength
suitable for screen printing and UV offset
Scratch proved embossed surface on one side
Suitable for mouse pads

Quality segment: Print film
Type: PVC
Color: 1-Blue, crystal clear-000
Surface: Coarse Embossed/Glossy-01
Additional treatment: No additional treatment-00

Properties	***Standard***	***Unit***	***Values***	
Thickness	DIN 53370 / ISO 4593	µm	150 ... 800	
Tolerance of Thickness	DIN 53370 / ISO 4593	%	-10 ... 10 -7 ... 7 -5 ... 5	200 µm 201 ... 400 µm 401 ... 800 µm
Density	DIN EN ISO 1183-2	g/cm³	1,31 ... 1,35	
Tensile strength, min.	DIN EN ISO 527 test speed V 50 mm/min, measured lengthwise, depending on thickness	MPa	45	
Impact strength, min.	DIN EN ISO 8256 measured lengthwise	kJ/m²	450	
VICAT-softening point	DIN EN ISO 306 measured in oil, method B/50	°C	72 ... 76	
Dimensional stability -longitudinal	DIN 53377 storage in heated cupboard at 140°C/10min	%	-10,0 ... 0,0	150 ... 800 µm
Dimensional stability -transverse	DIN 53377 storage in heated cupboard at 140°C/10min	%	-2,0 ... 2,0	150 ... 800 µm
Max. processing temperature	no remaining change of size	°C	55	
Cold Break Temperature	DIN EN 1876-2 drop-hammer method	°C	-25	
Surface tension, min.	DIN ISO 8296	mN/m	34	
Surface reflexion, 85°	DIN 67530	GE	0 ... 10	
Surface reflexion, 85°	DIN 67530	GE	80	
Surface roughness # RZ	DIN 4768	µm	30 ... 40	

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Regulatory:

The product corresponds to:
- Packaging requirements for heavy metals
- Supplementary confirmations to the above-named points can be issued on request.

Storage conditions:

- Ideal storage conditions between 10 - 30°C (50 - 86°F)
- Ideal RH 40 - 70%
- Should not be stored in direct sunlight and avoid major thermal fluctuation
- Store in original packaging
- Before working up the films should be conditioned a minimum of 24 hours room temperature (15 - 30°C)
- recommended use of the material within one year of production date